

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ2XQT

(Call Sign)

0025-EX-TC-2020

(File Number)

NAME Dynetics, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2.42 km, centered around NL 34-44-10; WL 86-40-58
- (2) MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2.42 km, centered around NL 34-44-10; WL 86-40-58

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1800-1850 MHz | MO            | 3M50D2D<br>7M00D2D  | 320 W (ERP)      | 0.5 %                     |

MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1800-1850 MHz | MO            | 3M50D2D             | 320 W (ERP)      | 0.5 %                     |

This authorization effective January 30, 2020 and  
will expire 3:00 A.M. EST September 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1800-1850 MHz | MO            | 7M00D2D             | 320 W (ERP)      | 0.5 %                     |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Dynetics, Inc. must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Heaton at 760-939-6948 or Jamie.heaton@navy.mil prior to operating at the Mesa, AZ location.
- (4) This authorization is issued for the express purpose of conducting experimental operation described in the related application and required by DARPA, contract number HR001118C0071. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) The designated point of contact to terminate the system if interference occurs is Chris Statler (256) 503-9283 and Samuel Petersen (573)-578-7748.